

REMARKS

The application has been amended to overcome the examiner's objections and rejections.

The drawings were objected to under 37 CFR 1.83(a) because the drawings must show every feature of the invention specified in the claims. Therefore, the "spindle" of claim 8 and the "seventy-two tooth worm gear that is driven by a worm" of claim 8 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered. Note that these features are explicitly described on page 10 as "not shown".

Claim 8 was canceled to overcome the 37 CFR 1.83(a) objection.

Claims 4 and 9 were rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claim 4, there is no axis or frame of reference provided in the claim for determining what is meant by "radial". In claim 9, "the two opposing parallel faces" lacks sufficient antecedent basis in the claim.

Claim 4 was amended to claim "wherein the work holding element comprises a rotatable circular plate having a series of radial slots radiating out from a center of the circular plate around the plate and removable brackets adjustably mounted in the slots for holding the work piece.". Claim 9 was amended to claim "the at least two opposing parallel horizontal faces and the at least two opposing parallel vertical faces each further comprises an aligning groove for assisting in aligning the block in the vise.". The amended claims now provide a frame of reference for the radial slots of claim 4 and antecedent basis for the faces in claim 9 referring back to claim 1, thereby overcoming the 112 rejections of claims 4 and 9.

Claims 1-2, 6, and 7 were rejected under 35 U.S. C. 103(a) as being unpatentable over U. S. Pat. No. 4,899,998 to Teramachi.

Claims 1-2, 7, and 8 were rejected under 35 U.S. C. 103(a) as being unpatentable over U. S. Pat. No. 4,684,114 to Bell, Sr.

Claims 1-2, 4-5, and 7, claim 4 is as best understood, were rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Pat. No. 1,946,835 to Buhr.

Claims 1-2, 5, 7, and 9, 9 is as best understood, are rejected under 35 U.S.C. 103(a) as being unpatentable over U. S. Pat. No. 2,406,906 to Saunders in view of U.S. Pat. No. 1,946,835 to Buhr, for example.

Claim 3 was rejected under 35 U. S C. 1 O3(a) as being unpatentable over U S Pat. No. 4,684,114 to Bell, Sr. as applied to claims 1-2 above, and further in view of U. S. Pat. No. 6,149,358 to Montague, for example.

Claim 1 was amended to claim “a metal block having at least two opposing outer horizontal parallel faces on a top and a bottom of the metal block for holding the metal block in a vise on a standard milling machine with a pair of jaws of the vise gripping the outer horizontal parallel faces so that the block is held in a vertical position and at least two opposing parallel vertical faces on opposite sides of the metal block, both orthogonal to the horizontal faces, for holding the metal block in the vise on a standard milling machine with the pair of jaws of the vise alternately gripping the outer vertical parallel faces so that the block is held in a horizontal position, and the outer horizontal parallel faces so that the block is held in a vertical position;

a work holding element rotatably mounted on a face of the block by a rotatable means, the work holding element holding a work piece with the block alternately in both the vertical position and the horizontal position;

a an index control means for rotating the work holding element to specific desired points of rotation so that the work piece can be machined by the milling machine;

a pneumatic chuck control means for controlling the mounting of the work piece on the work holding element and the removal of the work piece from the work holding element;

thereby forming a collet indexer mounted on a block which fits into a standard milling machine vise alternately in a vertical position and a horizontal position, the collet indexer having a pneumatic chuck control and an index control". None of the prior art taken singly or together provide such a device which is neither anticipated by nor obvious in view of the prior art, therefore the 103 rejections are seen to be overcome and amended claim 1 is seen to be allowable.

Claims 2-7 depend upon and further limit claim 1, now seen allowable, therefore claims 2-7 are also seen to be allowable.

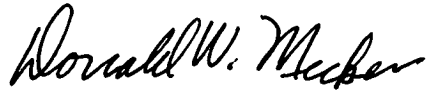
Claim 8 was canceled.

Claim 9 depends upon and further limits claim 1, now seen allowable, therefore claim 9 is also seen to be allowable.

In view of the above amendments and remarks, claims 1-7 and 9 are seen to be allowable. Reconsideration and allowance of claims 1-7 and 9 is respectfully requested.

A Petition to Revive an Abandoned Application Fee of \$770 and the Petition to Revive are attached. No additional fee is seen to be due.

Respectfully submitted,

A handwritten signature in cursive script, reading "Donald W. Meeker". The signature is written in black ink and is positioned above the printed name.

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